CDA-7844

In-Dash CD Player / Receiver / Ai-Shuttle Controller

FEATURES

Tuner
MaxTune SQ Tuner
RDS Function
DAP (Direct Access Preset)
High Speed Tune
Travel Search
Auto Memory
Up / Down Seek
Local / DX Selection
Stereo / Mono Selection
Preset Address Indicator

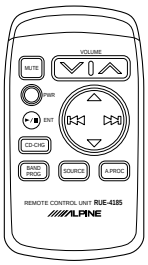
CD Player
Regulated 1-Bit DAC
Disc Title Memory
Elapsed Time Display
8x Oversampling
Digital De-emphasis
Music Sensor (Skip)
Music Scan
MIX (Random Play)
Repeat

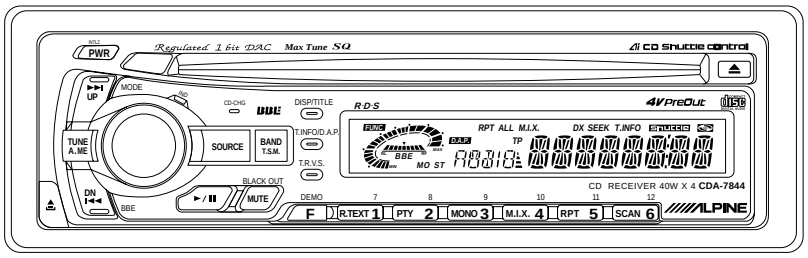
CD Shuttle Control
Elapsed Time Display
Music Sensor (Skip)
Music Scan
MIX (Random Play)
MIX All (Random Play All)
Repeat (One / All)
Direct Disc Selection
Disc Title Memory / Search

AI-NET
External Processor Preset Call
Ai-Talk Display
Multi CD Shuttle Control*

General
40W x 4 High Power Amplifier
Rotary Encoder Volume
Control Center
Black Out
BBE
Large, Cool White, 4-Color Display
Dual Illumination Buttons (Green / Amber)
Anti-Theft Detachable Front Panel
Detachable Trim Plate
ISO Mount Capability
Gold-Plated RCA Jacks
4 Volt PreOut
3 PreOuts
Selectable Fader
Preamp Fader
Subwoofer Level Control
Audio Interrupt In
Sound Guide
Automatic Set-Up
Operation Indicator
Clock
Demo Function
Tone Bypass
Source Tone Memory (STM)
Selectable Bass Control
Bass & Treble Controls
Fader & Balance Controls
Loudness
Wireless Remote Control Included

*With Optional KCA-400C





Ai Processor · CD Shuttle Control Function · DETACHABLE · Dual Illumination · Regulated 1 Bit · 40W HIGH POWER X4 · 3 pre-outs · Sub Woofer Level · 4V PreOut · DC/DC · BBE · Included

SPECIFICATIONS

FM Tuner
Tuning Range ..... 87.7—107.9 MHz
Mono Usable Sensitivity ..... 9.3dBf (0.8µV / 75 ohms)
50dB Quieting Sensitivity ..... 13.5dBf (1.3µV / 75 ohms)
Alternate Channel Selectivity 80dB
Signal-to-Noise (S / N) 80dB
Stereo Separation 45dB
Capture Ratio 2.0dB

AM Tuner
Tuning Range ..... 530—1,710kHz
Usable Sensitivity (IEC Standard) ..... 22.5µV / 27.0dB

CD Player
Oversampling 8X
Sampling Rate 352.8kHz
DAC Resolution 1-Bit
Number of DACs 2
Frequency Response ..... 5Hz—20kHz (±1dB)
Wow & Flutter (%WRMS) ..... Below measureable limits
Total Harmonic Distortion (THD) ..... 0.008% (at 1kHz)
Dynamic Range ..... 95dB (at 1kHz)
Signal-to-Noise (S / N) 95dBA
Channel Separation ..... 85dB (at 1kHz)

Remote Control
Battery ..... 2 "AAA"
Dimensions (W x H x D) ..... 56mm x 14mm x 105mm (2-1 / 4"x9 / 16"x4-1 / 8")

General
Maximum Power Output (Note 1) ..... 40 watts x 4
Continous Power Output (Note 2) ..... 19 watts x 4
Pre Output Voltage (Before Clipping) ..... 4 volts
Bass Control Center Frequency ..... Selectable (60 / 70 / 80 / 100 Hz)
Bass Control Range ..... ±15dB
Treble Control Range ..... ±10dB at 10kHz
Loudness Control ..... ±10dB at 100Hz
Operating Temperature ..... 60°C (140°F) to -10°C (14°F)
Power Requirement ..... 11—16 volts DC (Negative Ground)
Maximum Mounting Angle ..... 45° of Horizontal
Chassis Size (W x H x D) ..... 178mm x 50mm x 152mm (7"x2"x6")
Nose Piece Size (W x H x D) ..... 170mm x 46 mm x 18mm (6-3 / 4"x1-13 / 16"x11 / 16")
Weight ..... 1.5kg(3lbs. 4 oz)

Note 1: Under maximum operating voltage and input signal, into 4 ohm loads.
Note 2: Per EIA-517 standard,40Hz to 20kHz, 0.8% THD, with 14.4 volt DC supply

Specifications and design are subject to change without notice

ALPINE

CDA-7844

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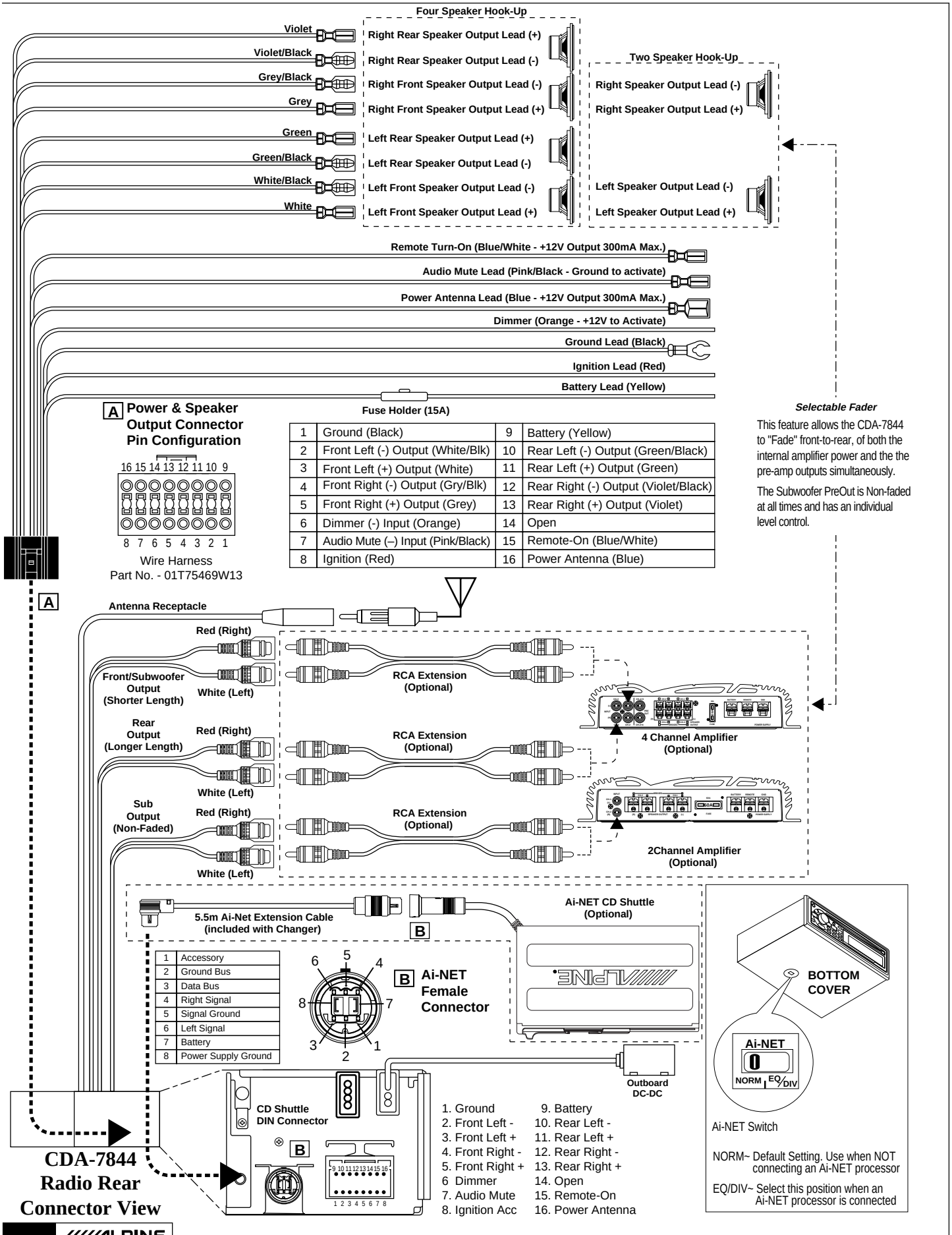

1	Ground (Black)	9	Battery (Yellow)
2	Front Left (-) Output (White/Blk)	10	Rear Left (-) Output (Green/Black)
3	Front Left (+) Output (White)	11	Rear Left (+) Output (Green)
4	Front Right (-) Output (Gry/Blk)	12	Rear Right (-) Output (Violet/Black)
5	Front Right (+) Output (Grey)	13	Rear Right (+) Output (Violet)
6	Dimmer (-) Input (Orange)	14	Open
7	Audio Mute (–) Input (Pink/Black)	15	Remote-On (Blue/White)
8	Ignition (Red)	16	Power Antenna (Blue)

1	Accessory
2	Ground Bus
3	Data Bus
4	Right Signal
5	Signal Ground
6	Left Signal
7	Battery
8	Power Supply Ground

1. Ground
2. Front Left -
3. Front Left +
4. Front Right -
5. Front Right +
6 Dimmer
7. Audio Mute
8. Ignition Acc
9. Battery
10. Rear Left -
11. Rear Left +
12. Rear Right -
13. Rear Right +
14. Open
15. Remote-On
16. Power Antenna

Selectable Fader

This feature allows the CDA-7844 to "Fade" front-to-rear, of both the internal amplifier power and the the pre-amp outputs simultaneously.

The Subwoofer PreOut is Non-faded at all times and has an individual level control.

NORM~ Default Setting. Use when NOT connecting an Ai-NET processor

EQ/DIV~ Select this position when an Ai-NET processor is connected

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